

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 60214979  
PUBLICATION DATE : 28-10-85

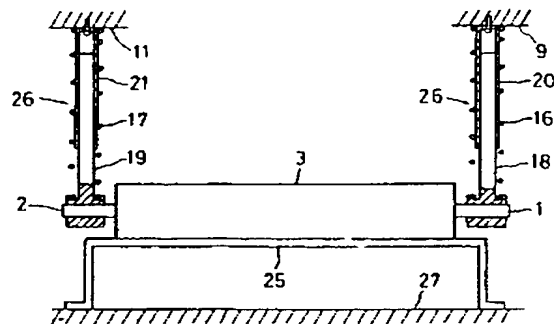
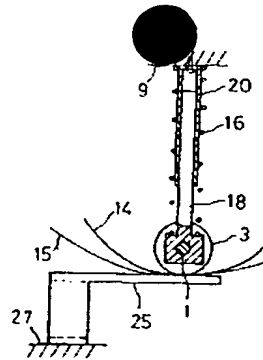
APPLICATION DATE : 11-04-84  
APPLICATION NUMBER : 59072155

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INT.CL. : B41J 11/02 // B41J 3/20

TITLE : THERMAL RECORDER



**ABSTRACT :** PURPOSE: To make uniform the pressed condition of a thermal recording head and a platen, by a construction wherein a pair of compression springs are provided respectively at end parts of a platen, a guide device is provided for positioning the platen relatively to a thermal recording head, and the platen is pressed against the head.

**CONSTITUTION:** The platen 3 is positioned relatively to the thermal recording head 25 by the guide device 26, and is pressed against the head 25 by compression coil springs 16, 17 provided at both ends thereof. The parallelism of the head 25 and the platen can be maintained and the pressed condition of the two can be constantly maintained uniform, regardlessly of adverse effects on the pressed condition of the head and the platen which effects are produced by an error in the degree of parallelism of the axis of the platen and the axis of the head, flexure of the head due a difference between elastic forces of tension springs or the like. Accordingly, the pressure exerted for pressing the platen 3 against the head 25 can be maintained to be uniform in the longitudinal direction, and it is made possible to print uniformly.

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## LOW-COST SINGLE-LINE PRINTER

J. L. Archer

FIG. 1

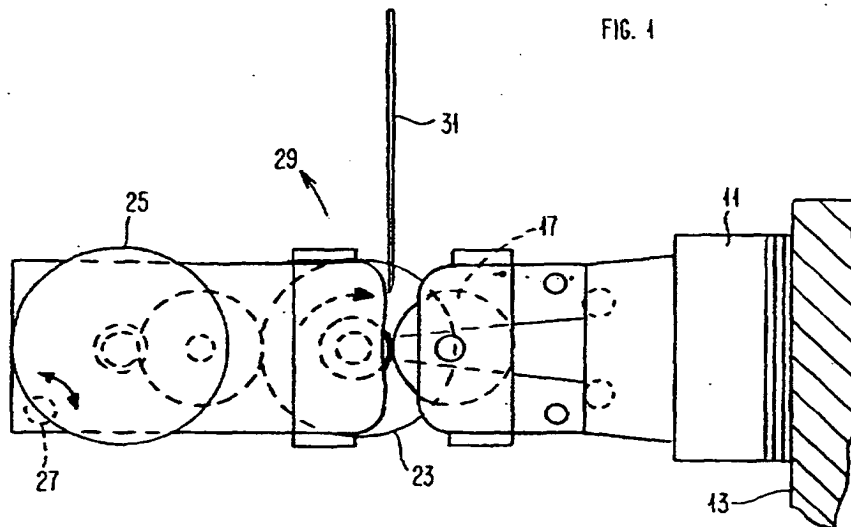
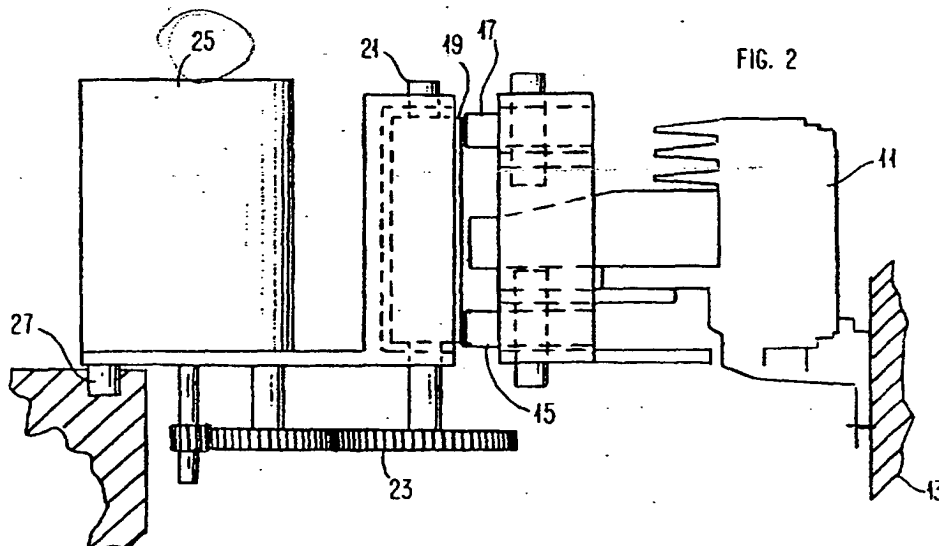


FIG. 2



A wire matrix print head is fixedly mounted to a printer frame and does not move within the frame as is usually the case. Idler rollers are mounted above and below the print head. Paper to be printed is fed between a driven platen and the idler rollers so as to transport the